

L1 ANSWER 2 OF 4 WPIX COPYRIGHT 2001 DERWENT INFORMATION LTD
ACCESSION NUMBER: 1993-055273 [07] WPIX Full-text
DOC. NO. NON-CPI: N1993-042054
DOC. NO. CPI: C1993-024910
TITLE: Charge controlling material with good properties in low
humidity environments - comprises urethane rubber or
resin made from isocyanate cpd. having hydroxyl and opt.
amino gps..
DERWENT CLASS: A25 X25
PATENT ASSIGNEE(S): (FUKO-N) FUKOKU KK; (POLY-N) POLYTECH DESIGN KK
COUNTRY COUNT: 1
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
JP 05005094	A	19930114	(199307)*		7	C09K003-16	<--

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 05005094	A	JP 1991-180624	19910419

PRIORITY APPLN. INFO: JP 1991-180624 19910419

INT. PATENT CLASSIF.:

MAIN: C09K003-16

SECONDARY: C08K003-24; C08L075-04; H05F001-00

BASIC ABSTRACT:

JP 05005094 A UPAB: 19930924

The material comprises a urethane rubber or resin made of organic cpds. comprising an isocyanate gp. and hydroxyl gp. or isocyanate gp. hydroxyl gp. and amino gp. comprising a urethane bond or together with at least one or all of a urea bond, biuret bond and alophanate bond as a substrate material and a metal ion in the state of ion incorporated therein. The concentration of the metal salt is 1.0×10^{-6} to 0.010 (mol/g) per 1g of the urethane rubber or resin.

The metal salt incorporated is pref. a salt of an alkali metal or alkali earth metal which should be soluble well in the urethane rubber or resin, and the concentration of the metal salt is 4.0×10^{-6} to 1.0×10^{-4} (mol/g) per 1g of the urethane rubber or resin.

USE/ADVANTAGE - The material has good charge controlling property in low humidity environments and is stable to changes in temperature and humidity and also for washing or polishing the surface

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FILE SEGMENT: CPI EPI
FIELD AVAILABILITY: AB
MANUAL CODES: CPI: A05-G01B; A05-J; A08-S04
EPI: X25-S